

PROJECT DEPTH 28.5' L.W.D. 571.9' L.W.D. 572.0'

LEGEND
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THE TIME.

LOW WATER DATUM
 ELEVATIONS AND PROJECT DEPTHS ARE AS SHOWN ON THE SHEET. THEY ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1985).

GRID COORDINATES
 GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (12113). LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

GRID COORDINATES
 ALL COORDINATES ARE IN U.S. SURVEY FEET.

DIRECTIONS
 ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS ARE AS SHOWN ON DRAWING.
 ALL DEPTHS ARE IN U.S. SURVEY FEET.

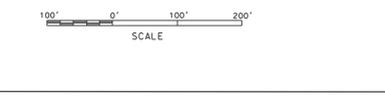
AUTOMATED EQUIPMENT USED
 CONDUCTED BY ROBERT W. POLAK AND JOSEPH D. PERCELLI, ABOARD THE USACE SURVEY VESSEL "WHEELER".

POSITIONING: TSS POS-MWP
SOFTWARE: HYPPACK HYSWEP
SONIC SOUNDERS: RECON SEABAT 8125

28.5 FT. PROJECT DEPTH CONTOUR

NOTES:

- GAGES USED WERE OBTAINED ELECTRONICALLY FROM THE NADA GAGE HOUSE AT WINDMILL POINT MI. (5904049), VIA THE INTERNET.
- POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838, LOCATED AT FORT WYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS.
- DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSSED MULTIBEAM ECHOSOUNDER SYSTEM, AND ODOM DIGIBAT PRO 081200 VELOCITY PROFILER.
- EDITED MULTIBEAM SOUNDINGS WERE SORTED INTO A 37 FT. BY 15 FT. MATRIX. THE SHALLOWEST SOUNDING LOCATED IN EACH MATRIX CELL WAS THEN SELECTED FOR PLOTTING AT THE CELL CENTER.



NO.	DATE	REVISION	BY

DESIGNED BY: U.S. ARMY ENGINEER DISTRICT, DETROIT
 CORPS OF ENGINEERS
 DETROIT, MICHIGAN

22 JUNE 2009

DETROIT AREA OFFICE

DRAWN BY: R. W. P.

CHECKED BY:

REVIEWED BY:

SUBMITTED BY:

APPROVAL RECOMMENDED:

CHIEF, PROJ. OPS. SEC. P.E. DATE

CHIEF, OPERATIONS TECHNICAL SUPPORT BRANCH P.E.

SCALE AS SHOWN

DRAWING NUMBER: fcs0609.dgn

SHEET 5 OF 7